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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/058,513DATE: 12/10/2002 P6
TIME: 14:13:43Input Set : A:\-59-1.app
Output Set: N:\CRF4\12102002\J058513.raw

3 <110> APPLICANT: Gish, Kurt C.
 4 Mack, David H.
 5 Afar, Daniel
 6 Eos Biotechnology, Inc.
 8 <120> TITLE OF INVENTION: Uses of PBH1 in the Diagnosis and Therapeutic Treatment
 9 of Prostate Cancer
 11 <130> FILE REFERENCE: 018501-005910US
 13 <140> CURRENT APPLICATION NUMBER: US 10/058,513
 14 <141> CURRENT FILING DATE: 2002-01-24
 16 <150> PRIOR APPLICATION NUMBER: US 60/263,951
 17 <151> PRIOR FILING DATE: 2001-01-24
 19 <160> NUMBER OF SEQ ID NOS: 42
 21 <170> SOFTWARE: PatentIn Ver. 2.1
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 4225
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Homo sapiens
 28 <220> FEATURE:
 29 <223> OTHER INFORMATION: prostate cancer modulating protein (PCMP) PBH1
 31 <220> FEATURE:
 32 <221> NAME/KEY: CDS
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126 35 40 45
128 Ser Phe Leu Pro Val His Thr Ile Val Leu Ile Arg Glu Asn Val Cys
129 50 55 60
131 Lys Cys Gly Tyr Ala Gln Ser Gln His Met Glu Gly Thr Gln Ile Asn
132 65 70 75 80
134 Gln Ser Glu Lys Trp Asn Tyr Lys Lys His Thr Lys Glu Phe Pro Thr
135 85 90 95
137 Asp Ala Phe Gly Asp Ile Gln Phe Glu Thr Leu Gly Lys Lys Gly Lys
138 100 105 110
140 Tyr Ile Arg Leu Ser Cys Asp Thr Asp Ala Glu Ile Leu Tyr Glu Leu
141 115 120 125
143 Leu Thr Gln His Trp His Leu Lys Thr Pro Asn Leu Val Ile Ser Val
144 130 135 140
146 Thr Gly Gly Ala Lys Asn Phe Ala Leu Lys Pro Arg Met Arg Lys Ile
147 145 150 155 160
149 Phe Ser Arg Leu Ile Tyr Ile Ala Gln Ser Lys Gly Ala Trp Ile Leu
150 165 170 175
152 Thr Gly Gly Thr His Tyr Gly Leu Met Lys Tyr Ile Gly Glu Val Val
153 180 185 190
155 Arg Asp Asn Thr Ile Ser Arg Ser Ser Glu Glu Asn Ile Val Ala Ile
156 195 200 205
158 Gly Ile Ala Ala Trp Gly Met Val Ser Asn Arg Asp Thr Leu Ile Arg
159 210 215 220
161 Asn Cys Asp Ala Glu Gly Tyr Phe Leu Ala Gln Tyr Leu Met Asp Asp
162 225 230 235 240
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174 290 295 300
176 Gly Lys Glu Thr Leu Lys Ala Ile Asn Thr Ser Ile Lys Asn Lys Ile

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182	Ser	Leu	Val	Glu	Val	Glu	Asp	Ala	Leu	Thr	Ser	Ser	Ala	Val	Lys	Glu
183					340					345					350	
185	Lys	Leu	Val	Arg	Phe	Leu	Pro	Arg	Thr	Val	Ser	Arg	Leu	Pro	Glu	Glu
186					355					360					365	
188	Glu	Thr	Glu	Ser	Trp	Ile	Lys	Trp	Leu	Lys	Glu	Ile	Leu	Glu	Cys	Ser
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191	His	Leu	Leu	Thr	Val	Ile	Lys	Met	Glu	Glu	Ala	Gly	Asp	Glu	Ile	Val
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197	Gln	Asp	Lys	Asp	Asn	Trp	Asn	Gly	Gln	Leu	Lys	Leu	Leu	Glu	Trp	
198					420					425					430	
200	Asn	Gln	Leu	Asp	Leu	Ala	Asn	Asp	Glu	Ile	Phe	Thr	Asn	Asp	Arg	Arg
201					435					440					445	
203	Trp	Glu	Lys	Ser	Lys	Pro	Arg	Leu	Arg	Asp	Thr	Ile	Ile	Gln	Val	Thr
204					450					455					460	
206	Trp	Leu	Glu	Asn	Gly	Arg	Ile	Lys	Val	Glu	Ser	Lys	Asp	Val	Thr	Asp
207	465				470					475					480	
209	Gly	Lys	Ala	Ser	Ser	His	Met	Leu	Val	Val	Leu	Lys	Ser	Ala	Asp	Leu
210					485					490					495	
212	Gln	Glu	Val	Met	Phe	Thr	Ala	Leu	Ile	Lys	Asp	Arg	Pro	Lys	Phe	Val
213					500					505					510	
215	Arg	Leu	Phe	Leu	Glu	Asn	Gly	Leu	Asn	Leu	Arg	Lys	Phe	Leu	Thr	His
216					515					520					525	
218	Asp	Val	Leu	Thr	Glu	Leu	Phe	Ser	Asn	His	Phe	Ser	Thr	Leu	Val	Tyr
219					530					535					540	
221	Arg	Asn	Leu	Gln	Ile	Ala	Lys	Asn	Ser	Tyr	Asn	Asp	Ala	Leu	Leu	Thr
222	545				550					555					560	
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230	Pro	Ile	Thr	Arg	His	Pro	Leu	Gln	Ala	Leu	Phe	Ile	Trp	Ala	Ile	Leu
231					595					600					605	
233	Gln	Asn	Lys	Lys	Glu	Leu	Ser	Lys	Val	Ile	Trp	Glu	Gln	Thr	Arg	Gly
234					610					615					620	
236	Cys	Thr	Leu	Ala	Ala	Leu	Gly	Ala	Ser	Lys	Leu	Leu	Lys	Thr	Leu	Ala
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242	Asn	Glu	Tyr	Glu	Thr	Arg	Ala	Val	Glu	Leu	Phe	Thr	Glu	Cys	Tyr	Ser
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245	Ser	Asp	Glu	Asp	Leu	Ala	Glu	Gln	Leu	Leu	Val	Tyr	Ser	Cys	Glu	Ala
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Input Set : A:\-59-1.app
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 254 His Ala Cys Lys Asp Ala Asp Asp Ala Leu Ile Ser Gly Ser Arg Lys
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 257 Lys Pro Val Asp Lys His Lys Lys Leu Leu Trp Tyr Tyr Val Ala Phe
 258 740 745 750
 260 Phe Thr Ser Pro Phe Val Val Phe Ser Trp Asn Val Val Phe Tyr Ile
 261 755 760 765
 263 Ala Phe Leu Leu Leu Phe Ala Tyr Val Leu Leu Met Asp Phe His Ser
 264 770 775 780
 266 Val Pro His Pro Pro Glu Leu Val Leu Tyr Ser Leu Val Phe Val Leu
 267 785 790 795 800
 269 Phe Cys Asp Glu Val Arg Gln Met Glu Gln Gly Val Ala Leu Val Glu
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 272 Glu Ala Arg Ala Ala Gln Glu Pro Thr Glu Gly Val Gly Gly Ser Gly
 273 820 825 830
 275 Met Val Gly Cys Arg Ser Arg Ala Leu Pro His Gly Lys Ala Ala Thr
 276 835 840 845
 278 Ala Arg Pro Gly Ser Arg Ser Arg His Ser Phe His Thr Ser Leu Gln
 279 850 855 860
 281 Ala Glu Gly Ala Ser Ser Gly Leu Gly Gln Pro Arg Lys Gly Leu Pro
 282 865 870 875 880
 284 Gln Cys Ser Gly Gly Leu Lys Gly Ser Ser Ser Ala Ala Lys Val Gly
 285 885 890 895
 287 Ala Gln Ala Glu Glu Val Pro Arg Ala Ser Glu Gly Cys Glu Asp Cys
 288 900 905 910
 290 Gln His Ala Val Thr Ser Gln Lys Arg Lys Gly Leu Ala Asp Val Leu
 291 915 920 925
 293 Ser Arg Thr Gly Asn Asn Trp Asp Ser Val Cys Pro Thr Ser Gly Trp
 294 930 935 940
 296 Tyr Val Asn Gly Val Asn Tyr Phe Thr Asp Leu Trp Asn Val Met Asp
 297 945 950 955 960
 299 Thr Leu Gly Leu Phe Tyr Phe Ile Ala Gly Ile Val Phe Arg Leu His
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 303 980 985 990
 305 Asp Tyr Ile Ile Phe Thr Leu Arg Leu Ile His Ile Phe Thr Val Ser
 306 995 1000 1005
 308 Arg Asn Leu Gly Pro Lys Ile Ile Met Leu Gln Arg Met Thr Ser Ile
 309 1010 1015 1020
 311 Glu Met Ser Ser Ser Gly Ser Ser Ile Pro Thr Leu Arg Phe Phe Glu
 312 1025 1030 1035 1040
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 317 Val Met Leu Ser Asp Arg Cys Val Leu Leu Pro Val Pro Leu Cys Gly
 318 1060 1065 1070
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 12/10/2002
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:22; Xaa Pos. 77,78,79,80,81,82

Seq#:38; Xaa Pos. 3

VERIFICATION SUMMARY

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L:936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:64

L:939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:80

L:1558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0